L	Hits	Search Text	DB	Time stamp
Number				
1	1	<pre>((petroleum or sponge) near2 coke) near60 ((thermal adj coke) near20 (asphalt\$6 near3 coke))</pre>	USPAT	2003/02/12 13:22
2	1	I v v v	USPAT	2003/02/12 13:17
3	3		USPAT	2003/02/12 13:18
4	1081	(control\$ or adjust\$3 or keeping or keep or kept) near6 (asphalt\$5)	USPAT	2003/02/12
5	1140	(controlling or controlled or control or adjust\$3 or keeping or keep or kept) near6 (asphalt\$5)	USPAT	2003/02/12
6	2864	((petroleum or sponge) near2 coke)	USPAT	2003/02/12
7	12	<pre>((controlling or controlled or control or adjust\$3 or keeping or keep or kept) near6 (asphalt\$5)) and (((petroleum or sponge) near2 coke))</pre>	USPAT	2003/02/12 13:35
8	3222	cte	USPAT	2003/02/12 13:35
9	1	<pre>(((controlling or controlled or control or adjust\$3 or keeping or keep or kept) near6 (asphalt\$5)) and (((petroleum or sponge) near2 coke))) and cte</pre>	USPAT	2003/02/12 13:36
10	332	fuel adj grade	USPAT	2003/02/12 13:37
11	7	near20 (fuel adj grade)	USPAT	2003/02/12 13:41
12	141114	vcm or volatile	USPAT	2003/02/12 13:41
13	18	<pre>(((controlling or controlled or control or adjust\$3 or keeping or keep or kept) near6 (asphalt\$5)) and (((petroleum or sponge) near2 coke))) or (((petroleum or sponge) near2 coke)) near20 (fuel adj grade))</pre>	USPAT	2003/02/12
14	10	<pre>(vcm or volatile) and ((((controlling or controlled or control or adjust\$3 or keeping or keep or kept) near6 (asphalt\$5)) and (((petroleum or sponge) near2 coke))) or ((((petroleum or sponge) near2 coke)) near20 (fuel adj grade)))</pre>	USPAT	2003/02/12 13:46
15	3583	(green or sponge or delayed or petroleum) near6 coke	USPAT	2003/02/12 13:46
16	51285	((solvent or furfural or mek) near6 (deasphalt\$3 or extract\$3))	USPAT	2003/02/12 13:48
17	320	<pre>(((petroleum or sponge) near2 coke)) and (((solvent or furfural or mek) near6 (deasphalt\$3 or extract\$3)))</pre>	USPAT	2003/02/12 13:49
18	2		USPAT	2003/02/12 14:24
19	2729	quench\$3 near6 (introduc\$3 or inject\$3)	USPAT	2003/02/12 14:25
20	132	<pre>(((petroleum or sponge) near2 coke)) and (quench\$3 near6 (introduc\$3 or inject\$3))</pre>	USPAT	2003/02/12 14:29
21	197	(vapor\$ or gas or gaseous) near12 drum near12 coke	USPAT	2003/02/12 14:32
22	14	<pre>((((petroleum or sponge) near2 coke)) and (quench\$3 near6 (introduc\$3 or inject\$3))) and ((vapor\$ or gas or</pre>	USPAT	2003/02/12 15:38
23	6944	gaseous) near12 drum near12 coke) (catal\$4 or activat\$4) near12 coke	USPAT	2003/02/12 15:46

24	12	<pre>((((petroleum or sponge) near2 coke)) and (((solvent or furfural or mek) near6 (deasphalt\$3 or extract\$3)))) and "234"</pre>	USPAT	2003/02/12 15:41
25	664		USPAT	2003/02/12 15:41
26	423		USPAT	2003/02/12 15:41
27	125	activat\$4) near12 coke)) (vcm or volatile) and ((((petroleum or sponge) near2 coke)) and (((green or sponge or delayed or petroleum) near6 coke) and ((catal\$4 or activat\$4) near12 coke)))	USPAT	2003/02/12 15:42
28	8	1 '''	USPAT	2003/02/12 15:42
29	476		USPAT	2003/02/12 15:56
30	476		USPAT	2003/02/12 15:59
31	7	((vcm or volatile) and ((((petroleum or sponge) near2 coke)) and (((green or sponge or delayed or petroleum) near6 coke) and ((catal\$4 or activat\$4) near12 coke)))) and (((catal\$4 or activat\$4 or adsorb\$3) near8 coke) near12 ((metal\$3 or resin\$4 or component or agent or element) near9 (adding or added or impregnateing or impregnated or introduced or deposit or deposited)))	USPAT	2003/02/12 16:00
32	1412	quench\$3 near8 inject\$3	USPAT	2003/02/12 16:04
33	0	<pre>(((vcm or volatile) and ((((petroleum or sponge) near2 coke)) and (((green or sponge or delayed or petroleum) near6 coke) and ((catal\$4 or activat\$4) near12 coke)))) and (((catal\$4 or activat\$4 or adsorb\$3) near8 coke) near12 ((metal\$3 or resin\$4 or component or agent or element) near9 (adding or added or impregnateing or impregnated or introduced or deposit or deposited)))) and (quench\$3 near8 inject\$3)</pre>	USPAT	2003/02/12 16:00
34	2	<pre>((vcm or volatile) and (((petroleum or sponge) near2 coke)) and (((green or sponge or delayed or petroleum) near6 coke) and ((catal\$4 or activat\$4) near12 coke)))) and (quench\$3 near8 inject\$3)</pre>	USPAT	2003/02/12 16:01
35	498	quench\$3 near8 (chemical\$\$ or catal\$4) near8 (inject\$3 or introduc\$4 or adding or added)	USPAT	2003/02/12 16:06
36	498	quench\$3 near8 (chemical\$3 or catal\$4) near8 (inject\$3 or introduc\$4 or adding or added)	USPAT	2003/02/12 16:21

37	0	<pre>((vcm or volatile) and ((((petroleum or sponge) near2 coke)) and (((green or sponge or delayed or petroleum) near6 coke) and ((catal\$4 or activat\$4) near12 coke)))) and (quench\$3 near8 (chemical\$3 or catal\$4) near8 (inject\$3 or introduc\$4 or adding or added))</pre>	USPAT	2003/02/12 16:07
38	0	<pre>((((petroleum or sponge) near2 coke)) and (((green or sponge or delayed or petroleum) near6 coke) and ((catal\$4 or activat\$4) near12 coke))) and (quench\$3 near8 (chemical\$3 or catal\$4) near8 (inject\$3 or introduc\$4 or adding or added))</pre>	USPAT	2003/02/12
39	1	1	USPAT	2003/02/12 16:08
40	1222	208/128-132.ccls.	USPAT	2003/02/12 16:08
41	1	(quench\$3 near8 (chemical\$3 or catal\$4) near8 (inject\$3 or introduc\$4 or adding or added)) and 208/128-132.ccls.	USPAT	2003/02/12 16:09
42	2	1	USPAT	2003/02/12 16:10
43	76		USPAT	2003/02/12 16:10
44	67	1	USPAT	2003/02/12 16:11
45	0		USPAT	2003/02/12 16:11
46	1	<pre>((green or sponge or delayed or petroleum) near6 coke) and ((quench\$3 near6 (introduc\$3 or inject\$3)) and (((catal\$4 or activat\$4) near12 coke) and (quench\$3 near8 (chemical\$3 or catal\$4) near8 (inject\$3 or introduc\$4 or adding or added))))</pre>	USPAT	2003/02/12 16:12
47	4		USPAT	2003/02/12 16:14
48	0	• •	USPAT	2003/02/12 16:15
49	49	thermal adj quench	USPAT	2003/02/12 16:15
50	33	chemical adj quench	USPAT	2003/02/12 16:16
51	1	(thermal adj quench) and (chemical adj quench)	USPAT	2003/02/12 16:16

[5 2	1 0	//gnoon ou snowed on dollared on	USPAT	2002/02/12
52	"	((green or sponge or delayed or	USPAT	2003/02/12
		petroleum) near6 coke) and (thermal adj		16:16
53	1	quench)	USPAT	2002/02/12
33	1	((green or sponge or delayed or petroleum) near6 coke) and (chemical adj	USPAI	2003/02/12
				10:10
55	0	quench)	HCDAM	2002/02/12
33		,	USPAT	2003/02/12
F 4	0.1	quench) or (chemical adj quench))	TIGD D B	16:18
54	81	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	USPAT	2003/02/12
	,	quench)		16:19
56	1		USPAT	2003/02/12
		near8 (inject\$3 or introduc\$4 or adding		16:22
		or added)) and 208/128-132.ccls.		
57	4734	208/128-132.ccls. or 201/\$.ccls.	USPAT	2003/02/12
				16:23
58	500	, , , , , , , , , , , , , , , , , , , ,	USPAT	2003/02/12
		quench\$3		16:23
59	112		USPAT	2003/02/12
		petroleum) near6 coke) and		16:24
		((208/128-132.ccls. or 201/\$.ccls.) and		
		quench\$3)		
60	21	(quench\$3 near8 inject\$3) and (((green or	USPAT	2003/02/12
		sponge or delayed or petroleum) near6		16:39
		coke) and ((208/128-132.ccls. or		
		201/\$.ccls.) and quench\$3))		
61	1		USPAT	2003/02/12
		near8 (inject\$3 or introduc\$4 or adding		16:26
		or added)) and ((quench\$3 near8 inject\$3)		13.23
		and (((green or sponge or delayed or		
		petroleum) near6 coke) and		
		((208/128-132.ccls. or 201/\$.ccls.) and		
		quench\$3)))		
62	1	(quench\$3 near8 (chemical\$3 or catal\$4)	USPAT	2003/02/12
02	+	near8 (inject\$3 or introduc\$4 or adding	OSPAI	1
				16:36
		or added)) and ((quench\$3 near8 inject\$3)		
		and (((green or sponge or delayed or		
		petroleum) near6 coke) and		
		((208/128-132.ccls. or 201/\$.ccls.) and		
63	860	quench\$3)))	Habar	2002/02/10
33	860	, , , , , , , , , , , , , , , , , , ,	USPAT	2003/02/12
64	10	adsorb\$4) near12 coke	HCDAE	16:40
04	10		USPAT	2003/02/12
		or sponge or delayed or petroleum) near6		16:47
		coke) and ((208/128-132.ccls. or		
ĺ		201/\$.ccls.) and quench\$3))) and ((sponge		
		or green or fuel adj grade or adsorb\$4)		
65		near12 coke)		
65	1	3917564.pn.	USPAT	2003/02/12
				16:42
66	213		USPAT	2003/02/12
6 7		deposit\$3) near9 coke		16:48
67	1	, (1	USPAT	2003/02/12
		or sponge or delayed or petroleum) near6		16:48
		coke) and ((208/128-132.ccls. or		
		201/\$.ccls.) and quench\$3))) and ((sulfur		
		or sulfide) near5 (impregnat\$3 or		
		deposit\$3) near9 coke)		

L Number	Hits	Search Text	DB	Time stamp
1	1	((thermal adj coke) near20 (asphalt\$6	USPAT	2003/02/12 13:22
2	1	cok\$3) and ((thermal adj coke) near20	USPAT	2003/02/12 13:17
3	3	cok\$3) and ((thermal\$4 near4 coke) near20	USPAT	2003/02/12 13:18
4	1081		USPAT	2003/02/12
5	1140	adjust\$3 or keeping or keep or kept)	USPAT	13:20 2003/02/12 13:21
6	2864	near6 (asphalt\$5) ((petroleum or sponge) near2 coke)	USPAT	2003/02/12
7	12	((controlling or controlled or control or adjust\$3 or keeping or keep or kept) near6 (asphalt\$5)) and (((petroleum or sponge) near2 coke))	USPAT	2003/02/12
8	3222	cte	USPAT	2003/02/12 13:35
9	1	<pre>(((controlling or controlled or control or adjust\$3 or keeping or keep or kept) near6 (asphalt\$5)) and (((petroleum or sponge) near2 coke))) and cte</pre>	USPAT	2003/02/12 13:36
10	332		USPAT	2003/02/12
11	7	(((petroleum or sponge) near2 coke)) near20 (fuel adj grade)	USPAT	2003/02/12
12	141114	vcm or volatile	USPAT	2003/02/12
13	18	<pre>(((controlling or controlled or control or adjust\$3 or keeping or keep or kept) near6 (asphalt\$5)) and (((petroleum or sponge) near2 coke))) or (((petroleum or sponge) near2 coke)) near20 (fuel adj grade))</pre>	USPAT	2003/02/12 13:41
14	10		USPAT	2003/02/12 13:46
15	3583	(green or sponge or delayed or petroleum) near6 coke	USPAT	2003/02/12 13:46
16	51285	((solvent or furfural or mek) near6 (deasphalt\$3 or extract\$3))	USPAT	2003/02/12 13:48
17	320	(((petroleum or sponge) near2 coke)) and (((solvent or furfural or mek) near6	USPAT	2003/02/12 13:49
18	2	<pre>(deasphalt\$3 or extract\$3))) (((petroleum or sponge) near2 coke)) near40 (((solvent or furfural or mek)</pre>	USPAT	2003/02/12 14:24
19	2729	<pre>near6 (deasphalt\$3 or extract\$3))) quench\$3 near6 (introduc\$3 or inject\$3)</pre>	USPAT	2003/02/12 14:25
20	132	(((petroleum or sponge) near2 coke)) and (quench\$3 near6 (introduc\$3 or inject\$3))	USPAT	2003/02/12 14:29
21	197	(vapor\$ or gas or gaseous) near12 drum near12 coke	USPAT	2003/02/12 14:32
22	14	<pre>((((petroleum or sponge) near2 coke)) and (quench\$3 near6 (introduc\$3 or inject\$3))) and ((vapor\$ or gas or</pre>	USPAT	2003/02/12 15:38
23	6944	gaseous) near12 drum near12 coke) (catal\$4 or activat\$4) near12 coke	USPAT	2003/02/12 15:46

24	12	<pre>((((petroleum or sponge) near2 coke)) and (((solvent or furfural or mek) near6</pre>	USPAT	2003/02/12
		(deasphalt\$3 or extract\$3)))) and "234"		15:41
25	664	((green or sponge or delayed or	USPAT	2003/02/12
-		petroleum) near6 coke) and ((catal\$4 or	001	15:41
		activat\$4) near12 coke)		
26	423		USPAT	2003/02/12
		(((green or sponge or delayed or		15:41
	İ	petroleum) near6 coke) and ((catal\$4 or	,	
27	125	activat\$4) near12 coke))		
2 '	125	<pre>(vcm or volatile) and ((((petroleum or sponge) near2 coke)) and (((green or</pre>	USPAT	2003/02/12
		sponge or delayed or petroleum) near6		15:42
		coke) and ((catal\$4 or activat\$4) near12		
		coke)))		
28	8	(quench\$3 near6 (introduc\$3 or inject\$3))	USPAT	2003/02/12
1		and ((vcm or volatile) and (((petroleum		15:42
		or sponge) near2 coke)) and (((green or		·
		sponge or delayed or petroleum) near6		
		coke) and ((catal\$4 or activat\$4) near12 coke))))		
29	476	1	USPAT	2002/02/12
		coke) near12 ((metal\$3 or resin\$ or	USPAI	2003/02/12
		component or agent or element) near9		13.30
		(adding or added or impregnateing or		1
		impregnated or introduced or deposit or		•
30	176	deposited))		
30	476	((catal\$4 or activat\$4 or adsorb\$3) near8 coke) near12 ((metal\$3 or resin\$4 or	USPAT	2003/02/12
		component or agent or element) near9		15:59
		(adding or added or impregnateing or	•	1
		impregnated or introduced or deposit or		
	İ	deposited))		1
31	7	I () o- o-astro, and () (beer oreall or	USPAT	2003/02/12
		sponge) near2 coke)) and (((green or		16:00
		sponge or delayed or petroleum) near6		
		coke) and ((catal\$4 or activat\$4) near12 coke)))) and (((catal\$4 or activat\$4 or		1
		adsorb\$3) near8 coke) near12 ((metal\$3 or		
		resin\$4 or component or agent or element)		
		near9 (adding or added or impregnateing		·
		or impregnated or introduced or deposit		
20		or deposited)))		
32	1412	quench\$3 near8 inject\$3	USPAT	2003/02/12
33	0	///rem on relation and ////waterland		16:04
	"	<pre>(((vcm or volatile) and (((petroleum or sponge) near2 coke)) and (((green or</pre>	USPAT	2003/02/12
	<u> </u>	sponge or delayed or petroleum) near6		16:00
		coke) and ((catal\$4 or activat\$4) near12		
]	coke)))) and (((catal\$4 or activat\$4 or		
	·	adsorb\$3) near8 coke) near12 ((metal\$3 or		
		resin\$4 or component or agent or element)		1.
		near9 (adding or added or impregnateing		
		or impregnated or introduced or deposit or deposited)))) and (quench\$3 near8		
		inject\$3)		
34	2	((vcm or volatile) and ((((petroleum or	USPAT	2003/02/12
	_	sponge) near2 coke)) and (((green or	ODIMI	16:01
		sponge or delayed or petroleum) near6		20.01
		coke) and ((catal\$4 or activat\$4) near12		
35	400	coke)))) and (quench\$3 near8 inject\$3)		
ت د	498	quench\$3 near8 (chemical\$\$ or catal\$4)	USPAT	2003/02/12
		near8 (inject\$3 or introduc\$4 or adding or added)	•	16:06
36	498	quench\$3 near8 (chemical\$3 or catal\$4)	USPAT	2002/02/12
		near8 (inject\$3 or introduc\$4 or adding	OSEVI	2003/02/12 16:21
		or added)		-4.61

37	0	sponge) near2 coke)) and (((green or sponge or delayed or petroleum) near6	USPAT	2003/02/12 16:07
		coke) and ((catal\$4 or activat\$4) near12 coke)))) and (quench\$3 near8 (chemical\$3 or catal\$4) near8 (inject\$3 or introduc\$4		
38	0	and (((green or sponge or delayed or petroleum) near6 coke) and ((catal\$4 or activat\$4) near12 coke))) and (quench\$3 near8 (chemical\$3 or catal\$4) near8 (inject\$3 or introduc\$4 or adding or	USPAT	2003/02/12 16:08
39	1	added)) (((green or sponge or delayed or petroleum) near6 coke) and ((catal\$4 or activat\$4) near12 coke)) and (quench\$3 near8 (chemical\$3 or catal\$4) near8 (inject\$3 or introduc\$4 or adding or added))	USPAT	2003/02/12 16:08
40	1222		USPAT	2003/02/12
41	1	(quench\$3 near8 (chemical\$3 or catal\$4) near8 (inject\$3 or introduc\$4 or adding or added)) and 208/128-132.ccls.	USPAT	16:08 2003/02/12 16:09
42	2	<pre>(((catal\$4 or activat\$4 or adsorb\$3) near8 coke) near12 ((metal\$3 or resin\$ or component or agent or element) near9 (adding or added or impregnateing or impregnated or introduced or deposit or deposited))) and (quench\$3 near8 (chemical\$3 or catal\$4) near8 (inject\$3 or introduc\$4 or adding or added))</pre>	USPAT	2003/02/12 16:10
43	76	((catal\$4 or activat\$4) near12 coke) and (quench\$3 near8 (chemical\$3 or catal\$4) near8 (inject\$3 or introduc\$4 or adding or added))	USPAT	2003/02/12 16:10
44	67	(quench\$3 near6 (introduc\$3 or inject\$3)) and (((catal\$4 or activat\$4) near12 coke) and (quench\$3 near8 (chemical\$3 or catal\$4) near8 (inject\$3 or introduc\$4 or adding or added)))	USPAT	2003/02/12
45	0	(((petroleum or sponge) near2 coke)) and ((quench\$3 near6 (introduc\$3 or inject\$3)) and (((catal\$4 or activat\$4) near12 coke) and (quench\$3 near8 (chemical\$3 or catal\$4) near8 (inject\$3 or introduc\$4 or adding or added))))	USPAT	2003/02/12 16:11
46	1	((green or sponge or delayed or petroleum) near6 coke) and ((quench\$3 near6 (introduc\$3 or inject\$3)) and (((catal\$4 or activat\$4) near12 coke) and (quench\$3 near8 (chemical\$3 or catal\$4) near8 (inject\$3 or introduc\$4 or adding or added))))	USPAT	2003/02/12 16:12
47		((green or sponge or delayed or petroleum) near6 coke) and (quench\$3 near8 (chemical\$3 or catal\$4) near8 (inject\$3 or introduc\$4 or adding or added))	USPAT ,	2003/02/12
48	0	(quench\$3 near8 (chemical\$3 or catal\$4) near8 (inject\$3 or introduc\$4 or adding or added)) near30 ((petroleum or delayed or green or spong\$2) near3 (coke or coking))	USPAT	2003/02/12 16:15
49	49	thermal adj quench	USPAT	2003/02/12
5.0	33	chemical adj quench	USPAT	2003/02/12 16:16
51	1	(thermal adj quench) and (chemical adj quench)	USPAT	2003/02/12 16:16

52 0 ((green or sponge or delayed or USPAT 2003/02/12	
petroleum) near6 coke) and (thermal adj 16:16	İ
quench) ((green or sponge or delayed or petroleum) near6 coke) and (chemical adj 16:18	
quench) 55 0 208/128-132.ccls. and ((thermal adj USPAT 2003/02/12	
quench) or (chemical adj quench)) 54 81 (thermal adj quench) or (chemical adj USPAT 2003/02/12	
quench) 16:19	
near8 (inject\$3 or introduc\$4 or adding or added)) and 208/128-132.ccls.	
57 4734 208/128-132.ccls. or 201/\$.ccls. USPAT 2003/02/12 16:23	
58 500 (208/128-132.ccls. or 201/\$.ccls.) and USPAT 2003/02/12 16:23	
59 112 ((green or sponge or delayed or petroleum) near6 coke) and ((208/128-132.ccls. or 201/\$.ccls.) and	
quench\$3) 60 21 (quench\$3 near8 inject\$3) and (((green or USPAT 2003/02/12	
sponge or delayed or petroleum) near6 coke) and ((208/128-132.ccls. or 201/\$.ccls.) and quench\$3))	
61 1 (quench\$3 near8 (chemical\$\$ or catal\$4) USPAT 2003/02/12	
near8 (inject\$3 or introduc\$4 or adding or added)) and ((quench\$3 near8 inject\$3) and (((green or sponge or delayed or petroleum) near6 coke) and ((208/128-132.ccls. or 201/\$.ccls.) and	*
quench\$3))) (quench\$3 near8 (chemical\$3 or catal\$4) near8 (inject\$3 or introduc\$4 or adding 16:36	
nears (inject\$3 or introduc\$4 or adding or added)) and ((quench\$3 nears inject\$3) and (((green or sponge or delayed or petroleum) near6 coke) and ((208/128-132.ccls. or 201/\$.ccls.) and quench\$3)))	
63 (sponge or green or fuel adj grade or USPAT 2003/02/12 adsorb\$4) near12 coke	
((quench\$3 near8 inject\$3) and (((green or sponge or delayed or petroleum) near6 coke) and ((208/128-132.ccls. or 201/\$.ccls.) and quench\$3))) and ((sponge or green or fuel adj grade or adsorb\$4) near12 coke)	
65 1 3917564.pn. USPAT 2003/02/12	
66 213 (sulfur or sulfide) near5 (impregnat\$3 or USPAT 16:42 2003/02/12 deposit\$3) near9 coke 16:48	
1 deposit 3) neary coke ((quench\$3 near8 inject\$3) and (((green or sponge or delayed or petroleum) near6 coke) and ((208/128-132.ccls. or	
201/\$.ccls.) and quench\$3))) and ((sulfur or sulfide) near5 (impregnat\$3 or	
deposit\$3) near9 coke) (((petroleum or sponge) near2 coke)) USPAT 2003/02/12 near20 adsorb\$3	
69 214 spong\$3 near20 adsorb\$4 USPAT 2003/02/12	
0 ((sulfur or sulfide) near5 (impregnat\$3 uspat 2003/02/12 or deposit\$3) near9 coke) and (spong\$3 near20 adsorb\$4)	
71 0 ((controlling or controlled or control or adjust\$3 or keeping or keep or kept) near6 (asphalt\$5)) and (spong\$3 near20. adsorb\$4)	
72 0 (208/128-132.ccls. or 201/\$.ccls.) and USPAT 2003/02/12 (spong\$3 near20 adsorb\$4) 16:56	

73	1	((catal\$4 or activat\$4) near12 coke) and	USPAT	2003/02/12
7.4	1	(spong\$3 near20 adsorb\$4)		17:00
74	1000	adsorb\$3.ti.	USPAT	2003/02/12
7.5				17:00
76	0	((===================================	USPAT	2003/02/12
		adjust\$3 or keeping or keep or kept)		17:01
		near6 (asphalt\$5)) and ((spong\$3 near20		
1 77		adsorb\$4) and adsorb\$3.ti.)		
77	0	1 () = or opoligo or acrayca or	USPAT	2003/02/12
		petroleum) near6 coke) and ((spong\$3		17:01
75	1.5	near20 adsorb\$4) and adsorb\$3.ti.)		
75	15	(' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	USPAT	2003/02/12
78		adsorb\$3.ti.		17:04
/ 0	0	((- P) (- man and a and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a man and a ma	USPAT	2003/02/12
79	. 35757	adsorb\$3.ti.) and coke		17:04
19	. 35/5/	502/\$.ccls.	USPAT	2003/02/12
80	3	(among 03, no supplied 4)		17:05
80	3	(spong\$3 near20 adsorb\$4) near10 coke	USPAT	2003/02/12
81	1	/amam63 manu3 malus was 0 1 140		17:05
01	_	(spon\$3 near3 coke) near9 adsorb\$3	USPAT	2003/02/12
82	1	(spon\$3 near3 coke) near23 adsorb\$4		17:46
02	1	(sponds hears coke) hears adsorb\$4	USPAT	2003/02/12
83	3	(spon\$3 near12 coke) near23 adsorb\$4	IIG D D M	17:47
		(sponds heariz coke) hears adsorb\$4	USPAT	2003/02/12
84	26	(anti-foam or antifoam or drill\$ or	USPAT	17:51
		lance) near12 (inject\$4 near9 (drum or	USPAI	2003/02/12
		coke))		17:59
85	2	((anti-foam or antifoam or drill\$ or	USPAT	2003/02/12
	_	lance) near12 (inject\$4 near9 (drum or	OSPAI	17:57
		coke))) and quench\$3		1 17.57
86	0		USPAT	2003/02/12
		lance) near12 (inject\$4 near20 (drum or	JULAI	18:00
		coke)) near30 quench\$		1 10.00
87	5	(anti-foam or antifoam or drill\$ or	USPAT	2003/02/12
		lance or injector or nozzle or quill)	, and the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of	18:08
	1 !	near12 (inject\$4 near20 (drum or coke))		10.00
		near30 quench\$		
88	o	coking adj charcoal adj charge	USPAT	2003/02/12
				18:09
89	8	coking adj coal adj charge	USPAT	2003/02/12
V.				18:09
90	. 1057	impregnating adj agent	USPAT	2003/02/12
				18:10
91	1	(coking adj coal adj charge) and	USPAT	2003/02/12
		(impregnating adj agent)		18:10